

GENERATOR MAGNETIC ARMATURE WEDGE AND METHOD FOR INCREASING SUBTRANSIENT REACTANCE OF A GENERATOR

ABSTRACT OF THE DISCLOSURE

5 A magnetic armature wedge is provided for replacing conventional dovetail wedges in high-powered large-size turbine generators. The magnetic armature wedges that are used for supporting the armature bars are made by molding resin, e.g., epoxy with ferromagnetic particles, wires, laminates and the like embedded therewithin. The magnetic particles, wires, laminates and the like increase the magnetic permeability of the wedges causing higher slot flux leakage and high generator subtransient reactants.